

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant:

J 100 45

Akio INOUE et al.

Conf.:

8894

1752

Appl. No.:

09/983,067

Group:

1614

Filed:

October 23, 2001 Examiner: UNASSIGNED

For:

PROCESS FOR PRODUCING PEPTIDES BY USING

IN VITRO TRANSCRIPTION/TRANSLATION

SYSTEM

INFORMATION DISCLOSURE STATEMENT (SUBMISSION AFTER FILING OF AN APPLICATION BUT BEFORE FINAL REJECTION OR NOTICE OF ALLOWANCE OR CONCURRENTLY WITH A RULE 53(d) CPA APPLICATION OR WITH A RULE 1.114 RCE APPLICATION)

Assistant Commissioner for Patents Washington, DC 20231

November 12, 2002.

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

#### LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION I.

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-1449(s), attached hereto.

### COPIES (check at least one box)

- Submitted herewith is a legible copy of (i) each a. 冈 U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- Some or all of the documents listed on the PTOb. 1449 are not enclosed because they were cited in the International Search Report and copies should already be in the PTO file. If copies are needed, please contact the undersigned.

# III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

### a. DOCUMENTS IN THE ENGLISH LANGUAGE

The attached patents, publications, or other information in the English language do not require a statement of relevancy.

## b. DOCUMENTS NOT IN THE ENGLISH LANGUAGE

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

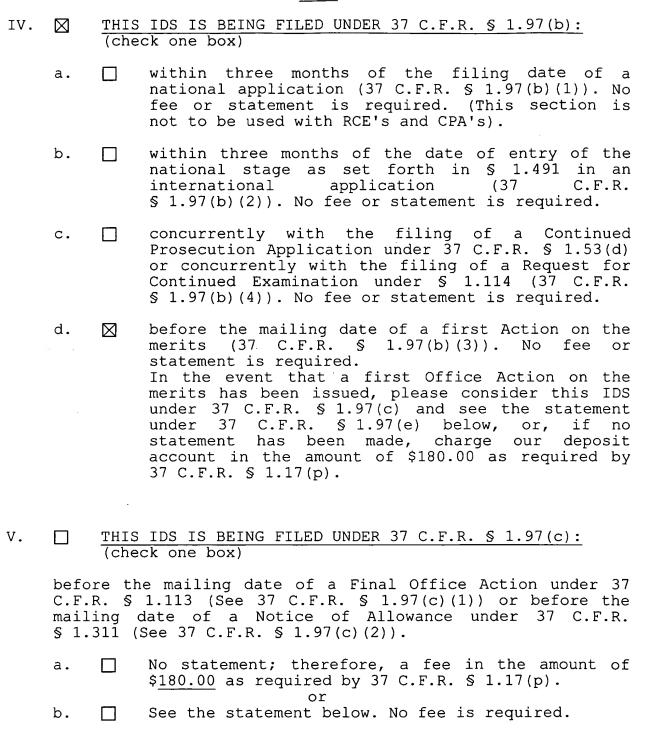
#### 

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

#### 

The following additional information is provided for the Examiner's consideration.

### **FEES**



Appl. No. 09/983,067

VI.	STATI	EMENT	UNDER 37 C.F.R. § 1.97(e) (check only one box)				
	The undersigned hereby states that						
	a.		each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or				
	b.		no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the IDS.				
	c.		Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.				
VII.	PAYM	ENT OF	F FEES (check one box)				
			eck in the amount of $$180.00$ as required by 37 R. $$1.17(p)$ is enclosed for the above-identified				
		amour	se charge Deposit Account No. 02-2448 in the at required by 37 C.F.R. § 1.17(p) for the above-cated fee. A triplicate copy of this paper is ched.				

No fee is required.

Appl. No. 09/983,067

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By Kust & Rupert # 45,702

for Gerald M. Murphy, Jr., #28,977

P.O. Box 747

GMM/KLR/jmb 1752-0151P Falls Church, VA 22040-0747 (703) 205-8000

Enclosures:

□ PTO-1449

□ Documents

☐ Foreign Search Report

☐ Fee

□ Other:

(Rev. 10/31/01

Form PTO-1449

#### INFORMATION SCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

ATTY DOCKET NO. 1752-0151P

APPLICATION NO. 09/983,067

APPLICANT

Akio INOUE et al.

FILING DATE October 23, 2001

GROUP 1614

U.S. PATENT DOCUMENTS											
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS		G DATE ROPRIATE				
							8				
FOREIGN PATENT DOCUMENTS											
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION					
					<u> </u>	YES	NO				
ОТИБВ	DOCUMENTS (Include Name of the auth	/A- CARTER AREA				(beek					
journal; seri	al, symposium, catalog, etc.) date, page(s), vol	ume-issue number(s), publi	sher, city and/or country where p	ublished.							
	PUTNEY, S.D. et al., "E. coli alas gene coding for alanyl-tRNA synthetase." GenBank Accession No. J01581, (November 9, 1993).										
	GANGLOFF, J., "Escherichia coli argS gene for arginyl-tRNA-synthetase." GenBank Accession No. X15320, (February 10, 1999).										
	ANSELME, J. et al., "E. coli asparaginyl-tRNA synthetase (asnS) gene, complete cds." GenBank Accession No. M33145, (April 26, 1993).										
	ERIANI, G., "E. coli asps gene for aspartyl-tRNA synthetase." GenBank Accession No. X53863, (January 28, 1991).										
	ERIANI, G., "E. coli cysS gene for cysteinyl-tRNA synthetase." GenBank Accession No. X56234, (February 8, 1991).										
	HOBEN, P. et al., "E. coli glutaminyl-tRNA synthetase (glnS) gene, complete cds." Accession No. J01617, (February 14, 1996).										
	BRETON, R., "Escherichia coli K12 valU, gltX and alaW region." GenBank Accession No. X63976, (May 5, 1995).										
	WEBSTER T.A. et al., "E. coli glyS gene coding for glycyl-tRNA synthetase alpha-and beta-subunits." GenBank Accession No. J01622, (April 26, 1993).										
	FREEDMAN, R., "Escherichia coli histidine-tRNA synthetase (hisS), complete cds." GenBank Accession No. M11843, (February 11, 2002).										
	MORI, H., "Escherichia coli genomic DNA." GenBank Accession No. D10483, (May 29, 2002).										
	HAERTLEIN, M., "E. coli leuS gene for leucyl-trna synthetase." GenBank Accession No. X06331, (September 12, 1993).										
	DESSEN, P., "Escherichia coli lysU gene for lysyl-tRNA synthetase (EC 6.1.1.6)." GenBank Accession No. X16542, (September 9, 1993).										
	DARDEL, F. et al., "E. coli metG gene coding for methionyl-tRNA synthetase, complete cds." GenBank Accession No. K02671, (January 3, 2001).										
EXAMINER DATE CONSIDERED						-					

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED NOV 1 4 2002

GMM/KLR/jmb

Sheet 2 of 3 (11/12/02) ATTY DOCKET NO. APPLICATION NO. Form PTO-1449 1752-0151P 09/983,067 APPLICANT INFORMATION ALSCLO URE CITATION Akio INOUE et al. IN AN APPLICATION FILING DATE GROUP (Use several sheets if necessary) October 23, 2001 1614 U.S. PATENT DOCUMENTS FILING DATE
IF APPROPRIATE EXAMINER INITIAL DOCUMENT NUMBER DATE NAME. FOREIGN PATENT DOCUMENTS CLASS TRANSLATION DOCUMENT NUMBER DATE COUNTRY OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. MECHULAM, Y. et al., "E. coli thrS, infC, rplT, pheS, pheT and himA genes encoding threonyl-tRNA synthetase, initiation factor IF3, ribosomal protein L20, phenylalanyltRNA synthetase and the alpha-subunit of the host integration factor." GenBank Accession No. V00291, (November 30, 1997). ERIANI, G. et al., "Escherichia coli prolyl-tRNA synthetase (proS) gene, complete cds." GenBank Accession No. M97858, (April 26, 1993). HARTLEIN, M. et al., "E. coli serS gene for seryl-tRNA synthetase." GenBank Accession No. X05017, (September 12, 1993). MAYAUX, J.F. et al., "E. coli thrS, infC, rplT, pheS, pheT and himA genes encoding threonyl-tRNA synthetase, initiation factor IF3, ribosomal protein L20, phenylalanyltRNA synthetase and the alpha-subunit of the host integration factor." GenBank Accession No. V00291, (November 30, 1997). SEVER, S. et al., "Escherichia coli tryptophanyl-tRNA synthetase (trpS) gene, complete cds." GenBank Accession No. U38647, (March 15, 1996). BARKER, D.G. et al., "E. coli tyrS gene coding for tyrosyl-tRNA synthetase." GenBank Accession No. J01719, (April 26, 1993). HECK, J.D. et al., "E. coli valS gene encoding valyl-tRNA synthetase gene, complete cds." GenBank Accession No. J03497, (April 26, 1993). MECHULAM, Y., "E. coli fmt gene for L-methionyl-tRNAMetf N-formyltransferase." GenBank Accession No. X63666, (February 17, 1997). CUMMINGS, H.S., "E. coli infA gene for initiation factor Ifl." GenBank Accession No. Y00373, (September 12, 1993). BLATTNER, F.R. et al., "Escherichia coli K12 MG1655 section 287 of 400 of the complete genome." GenBank Accession No. AE000397, (December 1, 2000). SACERDOT, C. et al., "E. coli thrs, infC, rplT, pheS, pheT and himA genes encoding

DATE CONSIDERED EXAMINER

Accession No. V00291, (November 30, 1997).

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

threonyl-tRNA synthetase, initiation factor IF3, ribosomal protein L20, phenylalanyl-tRNA synthetase and the alpha-subunit of the host integration factor." GenBank

RECEIVED

NOV 1 4 2002

TECH CEATTER 1000/Accounts

Form PTO-1449

SURE CITATION INFORMATION D IN AN APPLICATION

ATTY DOCKET NO. 1752-0151P

APPLICATION NO. 09/983,067

APPLICANT

Akio INOUE et al.

	(Use several sheets if necessar	·y)	October 23, 2001		1614						
U.S. PATENT DOCUMENTS											
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING IF APPR	DATE OPRIATE				
FOREIGN PATENT DOCUMENTS											
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO					
OTHER	DOCUMENTS (Include Name of the authorial, symposium, catalog, etc.) date, page(s), volume	or (in CAPITAL LETTERS), to nume-issue number(s), public	itle of the article (when approp sher, city and/or country where	riate), tit published.	le of the ite	m (book, m	magazine,				
ZENGEL, J.M., "E. coli fus gene encoding elongation factor G." GenBank Accession No. X00415, (August 9, 1994).											
	AN, G. et al., "E. coli tufB gene for translation elongation factor EF-Tu." GenBank Accession No. X57091, (May 5, 1993).										
AN, G. et al., "E. coli genes tsf and rpsB, encoding elongation factor Ts and ribosomal protein S2." GenBank Accession No. V00343, (January 18, 2002).											
	NAKAYASHIKI, T., "E. coli prfA gene encoding peptide chain release factor 1 (RF1)." GenBank Accession No. D28567, (February 7, 1999).										
	GRENTZMANN, G. et al., "E. coli prfC gene for peptide termination factor." GenBank Accession No. Z26313, (September 15, 1994).										
	ICHIKAWA, S. et al., "E. coli ribosome releasing factor gene, complete cds." GenBank Accession No. J05113, (April 26, 1993).										
GRACHEV, M.A. et al., "Bacteriophage T7 RNA polymerase gene, complete cds." GenBank Accession No. M38308, (April 28, 1993).											
	HAMA, H., "E. coli NDK gene for nucleoside diphosphate kinase." GenBank Accession No. X57555, (January 20, 1997).										
EXAMINER			DATE CONSIDERED								
EXAMINER: Ini	tial if citation considered, whether or not citat Include copy of this form with next communication	tion is in conformance with to applicant.	h M.P.E.P. 609; Draw line throug	h citation	if not in co	nformance a	and not				

GMM/KLR/jmb

RECEIVED

NOV 1 4 2002

TECH CENTER 1600/2900